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4           a plurality of individual transponding  
5 nodes;

10                   a plurality of mobile terminals, each of  
11 which is assigned to operate in one or more of said  
12 plurality of individual resource cells;

1                   2.    The   system   of   claim   1,   further  
2   comprising:

9            wherein said central processing hub pre-  
10 processes signals for forward link transmission such

11 that they are radiated with compensating time delays  
12 to an intended one of said plurality of mobile users  
13 who coherently receives all such signals intended for  
14 him;

15 wherein said central processing hub post-  
16 processes received signals to introduce compensating  
17 time delays such that all such signals received from  
18 a particular remote user may be coherently processed  
19 together.

Sub  
a1  
3. The system of claim 1, wherein each of  
2 said plurality of individual transponding nodes is  
3 independently selected from one of the following  
4 system types: a space-based system, a high altitude  
5 platform system, a tower based cellular network, or a  
6 manned/unmanned aircraft.

4. The system of claim 2, wherein at  
2 least one said plurality of mobile terminals is  
3 assigned resource cells in platform-code space for  
4 said return link that are different from said  
5 resource cells in platform-code space assigned for  
6 said forward link.

5. The system of claim 3, wherein said  
2 high altitude platform system is comprised of a  
3 plurality of manned/unmanned airships.

6. The system of claim 3, wherein said  
2 high altitude platform system is comprised of a  
3 plurality of high altitude balloons.

16            wherein each resource cell assigned to a  
17 particular user enables him to transmit signals to or  
18 from the hub through a particular transponder node  
19 using a particular CDMA code.

7           a plurality of individual resource cells  
8 each associated with one of said plurality of  
9 transponder nodes and one of a plurality of codes;  
10 and

Sub  
a1

1                   17. The system of claim 16, wherein said  
2 high altitude 'platform system is comprised of a  
3 plurality of manned/unmanned airships.

1           19. The system of claim 16, wherein said  
2 plurality of individual transponder nodes are  
3 selected from the same platform.

1           21. The system of claim 16, wherein said  
2 ground hub pre-processes signals for forward link  
3 transmission and post-processes signals for return  
4 link reception.

[illegible]